

Form PTO-249 Equivalent	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DKT. NO. 503.34972CX2	SERIAL NO. 10/629,711
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use several sheets if necessary)		<b>APPLICANT</b> UTSUMI et al	
		<b>FILING DATE</b> July 30, 2003	<b>GROUP</b> 2871

**U.S. PATENT DOCUMENTS**

Ex. Initial	Doc. No.	Date	Name	Class	Subclass	Filing Date
① AA	5,414,542	5/95	Kawagishi			
② AB	5,598,285	1/97	Kondo			
AC						
AD						
AE						
AF						
AG						
AH						

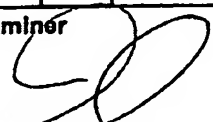
**U.S. PATENT APPLICATIONS**

	Publication Number	Name	Publication Date
AI			
AJ			
AK			
AL			

**FOREIGN PATENT DOCUMENTS**

	Doc. No.	Date	Country	Class	Subclass	Translation/Abstract?	
						Yes	No
① AM	03-233518		Japan			X	
② AN	04-181219		Japan			X	
③ AO	04-057011		Japan			X	
④ AP	08-068997		Japan			X	
⑤ AQ	08-082715		Japan			X	

**OTHER DOCUMENTS**

AR	
AS	
AT	
<b>Examiner</b> 	<b>Date Considered</b> 4/13/06

Form PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DKT. NO. 503.34972CX2	SERIAL NO.
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use several sheets if necessary)		APPLICANT UTSUMI, et al.	
		FILING DATE July 30, 2003	GROUP

**U.S. PATENT DOCUMENTS**

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date
	AA 5,841,498	11-98	Baur, et al.			
	AB 4,632,514	12-86	Ogawa, et al.			
	AC 5,139,340	8-92	Okumura			
	AD 4,345,249	8-82	Togashi			
	AE 5,048,933	9-91	Asano			
	AF RE 33987	7-92	Suzawa			
	AG 5,132,825	7-92	Miyadera			
	AH 5,211,463	5-93	Kalmanash			
	AI 5,532,854	7-96	Ferguson			
	AJ					
	AK					
	AL					

**FOREIGN PATENT DOCUMENTS**

Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation / Abstract	
						Yes	No
	AM 91/10936	7-91	WO				
	AN 3-233518	10-91	Japan				
	AO 4-181219	6-92	Japan				
	AP 6-222397	8-94	Japan				
	AQ 63-21907	5-88	Japan				
	AR						
	AS						
	AT						

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

	AU	
	AV	
	AW	
	AX	
	AY	
	AZ	
Examiner	Date Considered 12/13/04	